The NISE East
Chronicle
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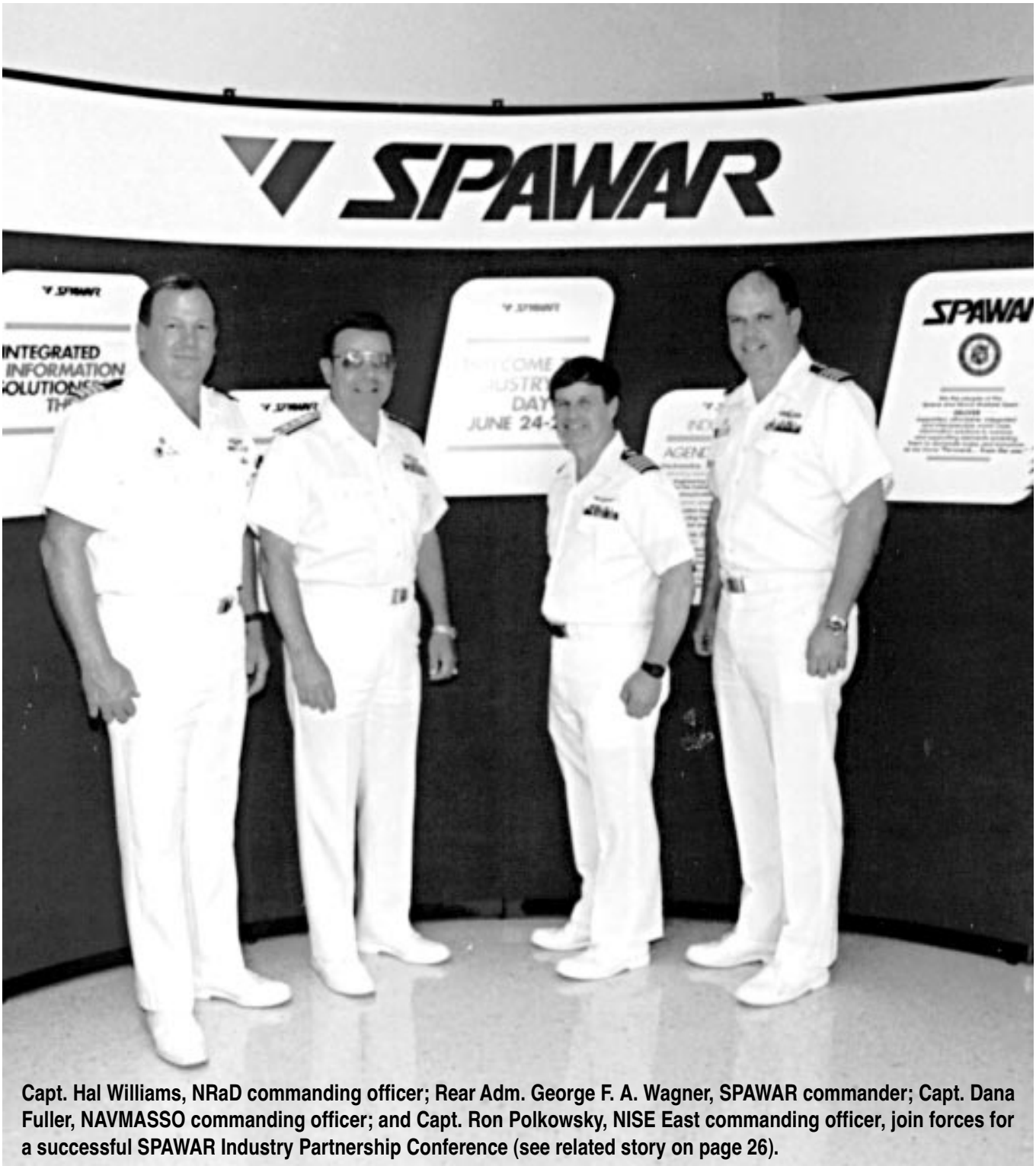

Capt. Hal Williams, NRaD commanding officer; Rear Adm. George F. A. Wagner, SPAWAR commander; Capt. Dana Fuller, NAVMASSO commanding officer; and Capt. Ron Polkowsky, NISE East commanding officer, join forces for a successful SPAWAR Industry Partnership Conference **(see related story on page 26).**

Captain's Call

By Capt. Ron Polkowsky
Commanding Officer, NISE East

The year continually reflects the success of our journey together as we build for the future. July begins the second half of 1997 and the last quarter of fiscal year 1997, ushered in by our collective celebration of July 4th and the birth of our great nation — the parades down main street, the waving of *Old Glory*, remembering what it has taken through the years to make and keep our country free, picnics in the yard complete with hamburgers and hot dogs and all the fixings, the fireworks at dusk and well into the evening ... Happy birthday, America!

Women's Equality Day is celebrated Aug. 26 in recognition of the 19th Amendment to the U.S. Constitution which prohibited discrimination on the basis of sex with regard to voting. When we look at all the American heritage reasons for celebration throughout the year, we can all be proud of who we are and what we stand for. Stop for a moment to reflect on that!

The summer is in full swing. The Spoleto Arts Festival in Charleston complimented a delightful spring on the eve of summer. The hurricane season officially opened June 1 and runs through the end of November. We have certainly become well trained in preparation for an event which we all hope will never come.

My 20-year old son Matt is home for the summer, enjoying his free room and board while working at Blockbuster Video in Summerville, staying up all hours of the night and sleeping all hours of the day. His return to the Univ. of S.C. in August is not too far away, so I know he's enjoying his summer break before he returns to challenges and rewards of academia. This will be his junior year, and I'm hoping he'll pick his major and settle on his career track. My 18-year old daughter Lisa is working in the office at her old high school (old as of June 8). She'll start at Trident Technical College in August to begin her pursuit of elementary school teaching.

The mass migration to the new engineering center has been underway with intense focus and steady progress since early May. Some 400 folks are in place now with associated labs taking shape. The rest of our teammates — moving from 4600 Goer, Summit, and Rivergate leased facilities, plus the people at bldg. 198 at the former Naval Base and the shuffle of people on the Naval Weapons Station, Southside — will all be moved by September. The cooperative synergy of the NISE East corporate team has been quite evident in what has been a high paced

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Cmdr. Robby Knight assumes 'charge' of Norfolk detachment

By Lynda Silvers
Chronicle Editor

Cmdr. Robby Knight salutes as he accepts his new assignment as officer-in-charge of NISE East Detachment Norfolk.

Welcome aboard to Cmdr. Robby Knight, the new officer-in-charge at the Norfolk detachment. A native of Fort Hood, Texas, Cmdr. Knight comes to NISE East from the Chief of Naval Operations (N43) office in Washington, D.C., where he was the industrial facilities and inactive ships manager.

Cmdr. Knight relieved Capt. (Select) Will Rodriguez at a change of charge ceremony on July 1. Capt. (Sel) Rodriguez, Norfolk's OIC for the past three years, is not straying too far from NISE East. Now one of our sponsors, he is assigned to NAVSEA 04 in Washington, D.C. A self-described "geographic bachelor," Capt. (Sel) Rodriguez has commuted from Portsmouth, Va., to Washington, D.C., where his family lives, for the past three years.

When asked if he had any parting words, Capt. (Sel) Rodriguez said, "I was in Washington five years before coming to the Norfolk detachment, and I am in awe of the people at NISE East. Despite the BRAC, everyone is working toward a common goal. They really do care about the fleet. I would not be where I am now in my career," he said, "I would not be a captain select today were it not for the people, both military and civilian, with whom I have worked. This command has a lot to offer the C4I community, and C4I's future is bright," he said. "This whole command has gone through change — the Chinese call it a 'dragon.' Change is a way of life at the detachment, and it's very stressful. My first priority has been to take care of the people in Norfolk. I will always remember the people at the detachment — they're family-like," he said. "Cmdr. Knight has a tough job ahead. He is going to have to close the detachment and take care of the non-BRAC issues as well. Not an easy task."

Also a "geographic bachelor" for the past couple of years, Cmdr. Knight is grateful to be back in Virginia with his family who has lived there since his 1990 assignment as assistant project officer for submarines at SUPSHIP Newport News. About his weekend commutes, Cmdr. Knight said,"It's been a tough two and a half years," to which Capt. (Sel) Rodriguez certainly relates.

"When I was first asked to come to NISE East, I knew I would have big shoes to fill," Cmdr. Knight said. And while talking about the task of closing the detachment, Cmdr. Knight said, "Change is inevitable, and change is a part of life. This is another change we must go through. However, I am very sensitive to the people. I know I am where I am today because of working for and with good people, and they cannot be ignored. It [the BRAC decision] was probably a decision made in the Navy's best interest, but at the same time, we have to take care of the people's needs. I'm looking forward to working for the people and with C4I."

Cmdr. Knight is a 1978 graduate of the U.S. Naval Academy and a 1989 graduate of the Naval Postgraduate School. He holds masters degrees in mechanical engineering and combat systems. His military decorations include the Navy Commendation Medal with two gold stars in lieu of a third award, the Navy Achievement Medal, the Navy Unit Commendation, the Meritorious Unit Commendation, the National Defense Medal, and the Sea Service Deployment ribbon. Cmdr. Knight and his wife Lecia have three children — two sons and a daughter.

C4I facility opens in Italy

By Chris Ingalls, NSA Naples

NAPLES, Italy (NWSA) — Secretary of the Navy John H. Dalton on May 27 officially opened the new Command, Control, Communications, Computers and Intelligence (C4I) building in Capodichino, Italy. Part of the Naples Improvement Initiative, the state-of-the-art C4I complex hosts 11 commands and approximately 900 personnel previously located at Naval Support Activity Agnano.

"Today's ceremony is not just to cut a ribbon and open a building," said Rear Adm. John R. Ryan, commander, Fleet Air Mediterranean. "It's about opening the 21st Century. The Secretary of the Navy has come here to officially open this building and give everyone a key to the future."

Dalton said, "This construction project, and the others that are part of the improvement initiative, stands as a visible testament to our commitment to this community. Since becoming Secretary of the Navy, my number one priority has been to improve the quality of life for our men and women who have put their lives on the line in defense of our great nation."

Dalton saw quality of life improvements in action the previous day when he visited the Aversa Support Site. "We were very impressed. It's of very high quality, both in the layout and the construction," he said. "Having the housing and schools just across the street from one another will be great for our people. The plans we have for the hospital, the Exchange and across the board really make it a premier facility in terms of quality of life."

After the ribbon-cutting ceremony, the secretary addressed several topics related to the military, including the Quadrennial Defense Review. "I'm very pleased with the results of the review, and I think that the Navy fared very well. We've maintained our commitment to forward presence and kept the 12 carriers and 12 amphibious ready groups," the secretary said. "As far as personnel reductions, we're talking about 18,000 active duty personnel — that's less than four percent — and that will take place over several years. I'm committed to doing this the right way, through 'right-sizing,' and voluntary programs, like we've had in the past."

SECNAV appoints first DoN Chief Information Officer

WASHINGTON (NWSA) — The Department of the Navy recently established a new position to manage the service's information management (IM) and information technology (IT) operations. Secretary of the Navy John H. Dalton selected Dr. Marvin J. Langston to become the first Department of the Navy Chief Information Officer (DoN CIO).

Dr. Langston will oversee the development of IM and IT strategies, policies, plans and guidance in addition to his other responsibilities as Deputy Assistant Secretary of the Navy for Command, Control, Communications, Computers and Intelligence; Electronics Warfare; and Space (DASN (C4I/EW/Space)).

Over the past several months, Langston (as Acting DoN CIO) has worked closely with fleet commanders to begin the Navy's Information Technology for the 21st Century (IT-21) initiative, a joint DoN CIO, CINCPACFLT and CINCLANTFLT project that highlights C4I programs that move the Navy towards a PC-based tactical/tactical-support warfighting network.

"My goal is to transform the way the Navy performs its warfare and warfare support mission through the power of information technology," Dr. Langston said.

Superintendent's office undergoes changes

By Ron Alley
Deputy C4I Superintendent's Office

The C4I superintendent's office recently underwent a few changes to better reflect the work they do for the fleet. Now known as the C4ISR Superintendent and Fleet Support Office, their code has changed from 0X to 0F. This reflects an alignment with SPAWAR 05F and NRaD 60F.

Mike Johnson, formerly head of CV/Littoral warfare/auxillary ships type desk office at SPAWAR (code 05F), now heads code 0F which comprises three sections, in three geographic locations. The individuals now assigned to code 0F, their function, and their new codes are: **Mike Johnson**, office head, 0F; **Ron Alley**, deputy office head, 0FA; **Lt. Cmdr. Chris Vagts**, Norfolk office head, 0F1; **Howard Abston**, C4ISR superintendent for aircraft carriers, 0F1HA; **Doug Mueller**, C4ISR superintendent for surface ships, 0F1DM; **Tim Hutchinson**, fleet liaison officer, 0F2; **Lt. Brian Watson**, C4ISR data resources, 0F2BW; **Wendy Rufener**, C4ISR data resources, 0F2BW; **Lt. Cmdr. Tom Winneberg**, Mayport office head, 0F3; **George Diaz**, Mayport area C4ISR superintendent, 0F3GD; and **Jimmy Betts**, Mayport area C4ISR superintendent, 0F3JB.

QDR validates Navy forward presence

"We will be a leaner, but more capable force as we enter the 21st century and we will reshape ourselves at a pace which will ensure that we do not compromise our readiness or commitment to our people," said the CNO.

WASHINGTON (NNS) — The Quadrennial Defense Review (QDR) report emerged painting a bright picture for the Navy/Marine Corps team in the 21st century. The report calls for a military capable of shaping, responding and preparing for today and tomorrow . . . a military engaged in world affairs and a military relying upon forward presence.

In a world of uncertainty, forward presence is critical to promoting regional stability, preventing conflicts, reducing threats and deterring aggression in key regions on a day-to-day basis.

This is good news for the Navy, whose very core is based upon the tenet of forward presence. In testimony before the Senate Armed Services Committee on May 21, Chief of Naval Operations Admiral Jay L. Johnson stated that QDR validates many of the Navy's current principles and supports our people.

"We will be a leaner, but more capable force as we enter the 21st century and we will reshape ourselves at a pace which will ensure that we do not compromise our readiness or commitment to our people," said the CNO.

The QDR highlights that the military's major strength is its men and women in uniform and the highly dedicated civilian work force, and the highest priority must be their welfare and that of their families. The Navy will continue to rely on its strongest asset - people - while pursuing the most advanced equipment and systems to support its mission.

The QDR maintains 12 aircraft carriers and 12 amphibious ready groups.

"We saw no need to reinvent the Navy for the QDR," Admiral Johnson stated. "The relevance of our forward deployed naval forces - centered around the 12 carrier battle groups and 12 amphibious ready groups - would be as much a reality in the future as today."

Maintaining that force structure is a visible reminder of the importance of forward presence.

In his written statement to the Committee, Admiral Johnson said, "Our forward presence enables us to influence events as they develop and intervene rapidly and decisively should they escalate to conflict. Naval forces provide the ability to intervene in a crisis anywhere in the world."

QDR underscores the importance of a modernization program that ensures tomorrow's Navy is even more capable and ready than today. It secures the future of naval aviation by placing the most advanced aircraft of the time on our carrier decks. Today that is the F/A-18E/F Super Hornet. When ready, it will be the Joint Strike Fighter (JSF).

Through QDR the Navy will be able to purchase enough Super Hornets to get us to the arrival of the next generation aircraft - the Joint Strike Fighter (JSF).

The Navy's ship modernization program, which also remained a priority in QDR, ensures the United States can control the seas and project power ashore in peacetime and across the wide spectrum of contingencies from regional conflicts to two simultaneous major theater wars.

QDR recommends a force of 116 surface combatants. The Navy already planned, and the QDR supports, phasing out a number of older, less-capable surface ships. New technology in the fleet will offset the difference in numbers. Additionally, the Navy is developing the surface combatant for the 21st century and preparing to bring on-line the new amphibious ship known as LPD-17.

The number of attack submarines required to carry out the strategy outlined by QDR is 50. Since the Navy already programmed to reduce this force from 73 to 52 by FY 2003, this actually represents only a two sub reduction. On the horizon for the submarine force is the entry of SEAWOLF, the fastest, quietest submarine in the fleet, and the new attack submarine, a ship designed with full-spectrum combat capability from strike warfare to special forces insertion.

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'Options' offered for video conferencing

By L. Mark Price,
IT Operations Branch, Code 0913

A video conference is a meeting where two or more individuals at different locations participate in a *face-to-face* meeting with the use of equipment which allows for each location's audio to be heard by all and video to be seen by all (two-way TV). The multipoint control unit (MCU) is a corporate video conferencing switch capable of connecting up to 20 locations in a single conference using dial-up capability.

Since 1992, NISE East has provided video conferencing locations from its corporate studios free of charge. All costs are currently borne by G&A overhead. Initially, video conferencing connections utilized leased circuits to bridging providers, but have since been replaced with dial-up circuits, reducing connection costs and allowing more flexibility. The telecommunications network utilized for dial-up video conferences is the Integrated Services Digital Network (ISDN). Because of the savings realized from reduced travel and increased productivity, video conferencing has increased in popularity.

As more people move in each day, the main engineering center (MEC) is quickly becoming the primary location of NISE East personnel. The video conferencing studio located in bldg. 3412 will move to the briefing theater in the MEC — the command's primary video conferencing facility. As the value of video conferencing becomes evident, and more customer locations become video-conference capable, it is increasingly difficult to schedule a location to meet immediate customer needs. To eliminate a scheduling problem, several codes have purchased their own systems — a viable option — which allows for ad hoc conferences and accommodates small groups very well. For large, more formal conferences, the corporate studios are still available.

When considering the purchase of your own system, realize that some VTC systems provide the capability to support computer data (i.e., MS PowerPoint presentations) and document cameras as options to allow for enhanced productivity. We see more requests for this type of conference as data collaboration becomes more important to meet our customers' demands.

The following information is provided to assist you in determining which option meets your needs. If your requirement is for video and audio conferencing without the data collaboration, there are two options available to you in the MEC.

Option 1: Dual two-way video and audio service, features simple video conferencing capability using equipment located in the integrated video control center (IVCC). The disadvantage is that all conferences must be scheduled. The primary advantage, however, is the low cost (approximately $6,000). Another advantage is that any video source can be switched to your location with the video/audio transceiver. Additional sources include satellite downlinks for training, video tapes, and CNN or the weather channel (for use during emergencies).

Option 2: Basic video conferencing system with ISDN service, provides for video conferencing using a basic system located in your area. The disadvantage is the cost of purchasing the system and the ISDN circuit (approximately $9,000). Without the video/audio transceiver, the IVCC will not be able to switch the video sources to your location; however, ad hoc conferencing is available whenever needed and the cost is low compared to larger group systems.

If your requirement is for video and audio conferencing with the data collaboration, the following two options are available to you in the MEC.

Option 3: Desktop video conferencing system with ISDN service, provides for video conferencing for small groups using a PC based system. The disadvantage is the initial cost of the system (approximately $6,000, with another +/-$3,000 in options). Without the video/audio transceiver and a television monitor, the IVCC is not able to switch any video sources to your location; however, ad hoc video conferencing and data collaboration is available whenever needed with a very low cost compared to group systems. This configuration, used extensively throughout SPAWAR, NCCOSC, NRAD, and NISE East, is a very cost effective solution for offices and small conference rooms.

Option 4: Group video conferencing system

Continued on next page.

SPAWAR, NRaD and NISE East — building a 'team'

By Linda Blanton
Procurement Analyst Staff, Code 11B

NISE East hosted a joint SPAWAR/NRaD/NISE East meeting at the Cooper River Landing conference center May 5-6.

Don Bailey, NISE East's executive director, opened the meeting, which was presided by Capt. Jay Cohen, SPAWAR 02. Some of the topics of discussion included the joint contracting approach to the industry partnership conference in Charleston, the standard procurement system process modeling, and innovative contract types. Guest speaker Dave Wolter provided a motivational presentation on "Team Building."

Attendees included SPAWAR employees Capt. Jay Cohen, Sarah Lamade, Eugene Toni, Dave Ryan, Ed Hutmire, Joel Brandzel, Ellen Polen, Diane Thronewell, Don Trayer, Keith Leung, Don Monaco, and Joe Sousa; NRaD employees Dan Lumpkins and Cmdr. Roger Petty; and NISE East employees Terry Watkins, Bill McDowell, William Paggi, Linda Blanton, Loliene Bowers, Jean Duncan, Paulette Dillard, Bill Thomas, Don Remy, Joyce McCreight, and Ann Howell.

Video conference options

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with ISDN service, provides for video conferencing for medium to large groups utilizing a group video conferencing system. There is a mid-range system which provides one monitor for incoming video, a picture-in-picture for outgoing video, and an optional graphics monitor (approximately $21,000). A high-range system provides for dual monitors, one for incoming video and one for local video or graphics, multiple video input sources for auxiliary cameras, document cameras, VCR's, etc. The high-range system (approximately $45,000) is also able to support connections at rates of 112kbps to 384kbps and is in use at corporate locations. The disadvantage of this system is the initial equipment costs; however, the advantages are ad hoc video conferencing with data collaboration, the ability to connect to practically any video conferencing system independent of the connection rate or type, the ability to easily display computer presentations or paper documents, and the ability to have large groups participate in a conference.

The options listed above are proven configurations with known capabilities. All connections are made via the ISDN telecommunications network. There is no cost for local video calls including calls to the NISE East MCU. Option 1 is available for conference rooms and lab spaces only, not for workstations or cubicles. Options 2 and 3 are good choices for offices and small conference rooms. Option 4 is primarily for a large conference room or dedicated conference facility. If desired, code 0913 can procure and install any of the above systems.

For additional information, please contact Mark Price at 803-974-4241, or send an e-mail to pricel@nosc.mil. If you would like to receive a complete price list of the various options and what each includes, send an e-mail to the editor at silversl@niseeast.nosc.mil and indicate you want the *VTC price list*.

IT efforts continue for SPAWAR claimancy

By Mark Leyde
IT Life Cycle Management and Telecommunications Management Branch

The SPAWAR Information Technology Acquisition Policy (SITAP) Integrated Product Team (IPT) met at NISE East Charleston May 6-7 to implement new policies for IT management throughout the SPAWAR claimancy. The SITAP IPT comprises NISE East representatives Henry Pinner, Mark Leyde, Wayne Bish, and Paula Mills; SPAWAR representatives Gail Dixon, Bruce Flory, and Wayne Hughes; and NRaD representative Connie Hays.

Tasked to develop new IT life cycle management policies and procedures for use throughout SPAWAR, the SITAP IPT's charter is currently waiting approval from SPAWAR. Some of the topics covered during the meeting include:

✓ Members agreed on formats to be used within the SPAWAR claimancy for IT approvals. NISE East will finalize the documents and request approval and implementation.

✓ Training SPAWAR IT personnel recommended. Developed a possible syllabus where trained individuals would become a "SPAWAR Certified IT Professional" and have the skills to advise and help customers with the IT approval process.

✓ A significant effort went into documenting the IT approval process by using a flow chart. It quickly became apparent that there are lots of options in the approval process (as anyone seeking approval can sadly attest). This effort was tabled before its completion.

✓ NISE East presented their *What is IT* and *IT Definitions* documents for the IPT's consideration. The documents, which were well received, are overviews of ITMRA, new policies, and explanations of the new terminology. NISE East is incorporating the group's comments and will soon publish the documents.

✓ The IPT highly prefers the use of new technology, such as Web pages, to distribute information about IT policies and procedures. Several members volunteered to look into available Web sites and resources for the publication of SPAWAR IT news and information — look for our Web page coming soon to a terminal near you.

The IPT meeting was held at Cooper River Landing, NISE East's new conference center in bldg 3112. Congratulations and many thanks to the staff for their fine help in planning and supporting the IPT.

Look for future articles detailing additional meetings and progress of the team who is trying to make IT approvals easier for you. If you have any questions or suggestions, please call Mark Leyde or Henry Pinner in code 0912 at 803-974-4264 or 5234, respectively. Or, send an e-mail to Mark (leydem@nosc.mil) or Henry (pinnerh@nosc.mil).

Save time and money —

deliver your drawings and data electronically

By Connie Fussell
Installation Branch, Code 335

■ NISE EDGE eliminates paper and automates the information delivery process.

The In-Service Engineering Data Gathering Equipment System (NISE EDGE), developed by the Installation Branch (code 335) of the Platform Integration Division (code 33), is designed to eliminate paper and automate the process of delivering information — electronically.

NISE EDGE provides an avenue for both government and contracting personnel to upload and download information related to U.S. shipboard and shore equipment/systems installations. The system handles any type of electronic media and is accessible 24 hours per day, seven days per week worldwide via modem dial-in or internet, using DSN or commercial phone lines.

Customers report a significant reduction of paper copies generated for documents, correspondence and messages, virtually eliminating the expense of mailing and overnight express for items like installation drawing packages. Using NISE EDGE to transfer drawing packages can save up to $3,500 per package.

With a library of over 5,400 AIT installation drawing packages, NISE EDGE is password protected (either by personal or group passwords) and back-ups are done daily, weekly and monthly.

This system is inexpensive to use — a PC, a modem and viewing software are all that's needed. And extensive training is not required; user-friendly screens guide you through the steps.

There is no charge for viewing the NISE EDGE data; however, there is a charge for uploading drawings or data onto the EDGE. To dial in NISE EDGE, call 757-396-0333; the home page address is http://edge2.nosc.mil; and the IP address is 198.253.81.206.

If you are interested in saving time and money, don't hesitate to call the NISE EDGE team — **Connie Fussell**, program manager (fussellc@nosc.mil), 757-396-0720; **Dennis Johnson**, network/system engineer (johnsodk@nosc.mil), 757-396-0075; **Pamela Mines**, data information coordinator (minesp@nosc.mil), 757-396-0416; or **Lisa Lutz**, data information coordinator, 757-396-0415.

Using NISE EDGE to transfer drawing packages can save up to $3,500 per package.

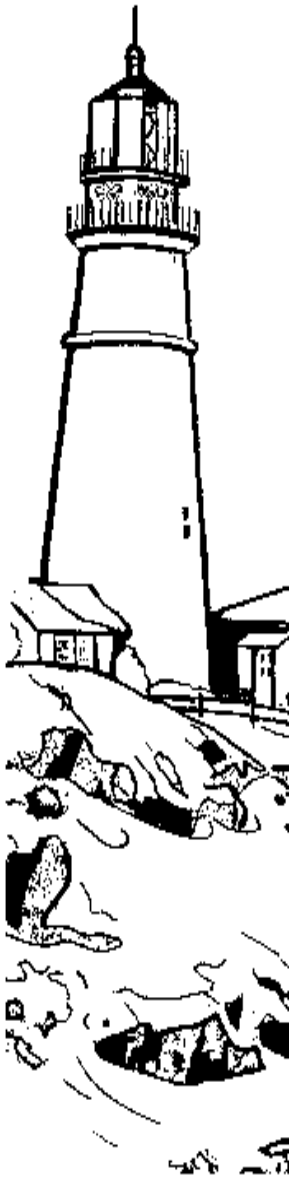
Capt. Polkowsky and Peter F. Brown (seated), chief information officer, deputy commander for fleet logistics support of the Naval Sea Systems Command (NAVSEA 04), signed a memorandum of agreement May 21.

This agreement assigns NISE East as NAVSEA's technical director agent for their radiation, detection, indication and computation (RADIAC) program. NISE East is also recognized as the primary field support, acquisition, development, and test agency for the RADIAC program.

NISE East's RADIAC facility, named in honor of the late Charles L. Christianson, was recently toured by his two daughters and their families. Lee Hinson (far right) provided information on the facility and the work their father had accomplished in the RADIAC world.

A 'beacon' in Norfolk:
expert navigation technology for the Navy

By Allen Daughtrey
Intelligence, Surveillance, Reconnaissance, and Navigation Div.



The Navy's navigation system experts are busy at work in NISE East's Intelligence, Surveillance, Reconnaissance, and Navigation Div. (code 34) located in Norfolk, VA.

The Integrated Navigation and Systems Branch (code 342), led by Robert Greer, is the In-Service Engineering Agent (ISEA) for the EM Log, Dead Reckoning Tracers (DRTs), and gyrocompass programs. These engineers and software experts develop software with the National Imaging and Mapping Agency (NIMA) to display Digital Nautical Charts (DNCs). This software demonstrates the use of DNC in an electric chart display and information system (ECDIS) compliant program.

Code 342 is also involved with the AN/WSN-8 (Digital EM Log or DEML) project, which uses digital signal processing to measure the speed of a vessel through water. The DEML will replace the older EM logs, improving performance speed and accuracy.

With an on-site integrated navigation and electrical charting lab facility which supports UNIX, Windows-NT and Windows '95 platforms, code 342's software is developed and tested for electronic charting and other projects.

The Inertial Navigation Systems and Aircraft Alignment Branch (code 343), led by John Carvil, has played an integral role in developing the AN/WSN-1 (CVNS), AN/WSN-2, AN/WSN-3 (ESGN), AN/WSN-5 and the new AN/WSN-7 and the AN/WSN-2R (RLGN) navigation systems. These systems provide accurate navigational data essential for launching weapons and are installed in surface combatants, aircraft carriers, submarines and support ships. The AN/WSN-7 replaces the three inertial navigation systems (AN/WSN-1, 3, and 5) and provides one inertial navigation system. The AN/WSN-7, with its improved performance, reliability and reduced maintenance, decreases life cycle costs. The AN/WSN-2R, which provides the same benefits as the AN/WSN-7, is a pseudo nomenclature which will replace the AN/WSN-2 and –2A gyrocompasses.

Code 343 is also responsible for the aircraft inertial alignment system found on aircraft carriers and amphibious assault ships, which quickly aligns the inertial navigation system in the aircraft to the local (true) vertical and true north.

Navigation laboratories, which host all of the inertial and aircraft alignment systems, provide an important resource for design, testing, evaluation, and training. But the most important resources we have in division 34 are the people supporting these programs. Division 34 has a wide variety of specialties — a support staff of clerical, a COR, a management analyst, and system specialists including logisticians, technicians and engineers. Many of the staff have earned graduate degrees and professional licenses, and participate in organizations dedicated to continued improvements in navigation.

With this talented group of professionals, division 34 has the knowledge and technology to obtain the best solutions to your navigation questions.

Surge suppressor specification developed at Yorktown

By John Mercer
In-Service Engineering Branch, Code 50-Y1

The NISE East Yorktown technical center, tasked by the Defense Supply Center, Rich mond, converted military specifications and standards into Commercial Item Descriptions (CIDs) or performance-based specifications. The goal was to standardize, reduce costs, and by using commercially available items, improve the quality throughout DoD.

One such CID, a specification for indoor transient voltage surge suppressors, proved to be exceptionally difficult. No previous military specification existed for this item, requiring extensive research into transient voltage propagation and surge suppressor technology. Non-standard testing methods used by manufacturers further complicated our task.

Fortunately, standards issued by Underwriter's Laboratories (UL) and the Institute of Electrical and Electronics Engineers provide an objective method of evaluating performance and reliability. By requiring the devices to be UL listed, we achieved both standardization and independent verification of performance. In addition, expensive testing by the government was avoided.

The CID development effort required frequent conversations with manufacturers. *Power Quality Assurance* magazine became aware of our effort and asked us to submit an article about the surge suppressor specification. A synopsis of the article *(with permission to reprint)* follows:

The development of a government procurement specification for transient voltage surge suppressors

Defense Supply Center Richmond (DSCR) procures surge suppressors for many government activities. As part of the Defense Standardization Program at Yorktown, DSCR asked us to develop a CID for surge suppressors. The CID classifies surge suppressors into various types, grades, classes, and sizes that are used in indoor 120 volt, 15 ampere, 60 hertz single phase circuits.

Briefly, type describes the kind of surge suppressor as being either a cord connected model, a cord connected model with telephone/fax protection, plug-in model, or a direct plug-in model with telephone/fax protection. Grade refers to the surge magnitude used to test the surge suppressor. Class relates to the output voltage of the surge suppressor when subjected to the test surge. Size refers to the number of receptacles on the surge suppressor.

Surge suppressor manufacturers reviewed the CID and provided comments. These comments were used to improve the CID and ensure that the manufacturers understood the contents of document. The CID has been finalized and designated A-A-55818. Copies of the document are available through the Defense Automated Printing Service by calling (215)697-4107. (Copyright held by Intertec International, Inc. Originally published in Power Quality Assurance, Vol. 7, No. 6.)

NISE East demonstrates 'FUND' in Monaco

By Robert Greer
Integrated Navigation Systems Branch, Code 342

Robert Greer and **Mikan Stamenkovich** of the Integrated Navigation Systems Branch (code 342) provided technical support to the XVth Hydrographic Conference at the International Hydrographic Organization (IHO), in Monaco, during April 12-19. Established in 1921, The IHO is an intergovernmental consulting and technical organization concerned with hydrography — mapping and surveying of the oceans. The IHO established its headquarters in the Principality of Monaco, at the invitation of H.S.H. Prince Albert I, with the following major purposes in mind:

✓ establish a close association between hydrographic offices;

✓ encourage the adoption of the best methods of hydrographic surveys;

✓ coordinate hydrographic work with a view toward easier and safer navigation; and

✓ obtain uniformity in hydrographic documents so mariners can use publications issued by other countries.

The IHO hosts a conference every five years to conduct business and to promote the exchange of ideas and technology in hydrographic work and navigation — the first of which was in London, 1919. The United States' participation is primarily conducted by NIMA (DoD's hydrographic office) and by the National Ocean Service (part of the Dept. of Commerce's National Oceanographic and Atmospheric Administration, serving as the civilian hydrographic office). One of IHO's current areas of interest is the development of the Electronic Chart Display and Information System (ECDIS) performance specifications. This work is in cooperation with the International Maritime Organization (IMO), London, a regulatory agency for navigation safety.

At this year's conference, NISE East hosted the NIMA portion of the United States' exhibition booth — demonstrations of the Full Utility Navigation Demonstration (FUND) software ran on an IBM Thinkpad 850 (AIX). The FUND software, developed by NISE East for NIMA, demonstrates the Digital Nautical Chart (DNC) database in an ECDIS-like environment. Other paper/digital products developed by NIMA and the Navy were also on display.

The majority of questions focused on the fact that DNC is a vector database — not raster, which was demonstrated by all but one of the other hydrographic offices. The NOS had a demonstration of a hybrid (both raster and vector) database. The most popular items noticed about FUND and DNC were (in no particular order): the color screens (day, day black background, night, etc.); spatial query; waypoint planning; the ability to pan and zoom on the charts; grounding avoidance using DNC data (soundings, hazards, etc.); and the ease and speed of operation.

Many visitors to the booth expressed an interest in learning how NISE East developed FUND; particularly, if we could tailor the software to their applications. We believe FUND, DNC and NISE East all benefited from the exposure gained at this conference. If you would like more information on FUND, call Robert Greer at 757-464-7750, ext. 202.

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Norfolk's Naval Reserve Unit 506

At the annual spring technical training meeting recently held in Washington, D.C., retired Rear Adm. Thomas F. Hall, former chief of Naval Reserve (photo at right), presented the Reserve ED plaque to Capt. (Sel) Will Rodriguez, former officer-in-charge of the Norfolk detachment, for his outstanding support of the Naval Reserve unit 506 (pictured above).

Rear Adm. Hall said, "Recognizing the potential of the Naval Reserve ED community's high tech brain trust, Capt. Rodriguez proactively sought to build up reserve support of the NISE East mission to develop and deliver electronic products and services to the fleet."

Along with Cmdr. Joseph Arcano, commanding officer of the 506 Naval Reserve unit, Capt. Rodriguez "implemented a plan to provide Reserve officers and chiefs as C^4I superintendents to oversee the installation of communication and navigation gear upgrades, and to provide enlisted personnel to rip out and install this equipment. What resulted was a tremendous 'win-win' for the Navy," said Rear Adm. Hall.

During the meeting, Rear Adm. Hall also promoted Bob Kraft to the rank of lieutenant commander (photo bottom right). In his civilian life, Bob is an engineer in the Broadcast Communications Branch (code 535) of NISE East.

Captain's Call

continued from page 2.

wave of activity with near flawless flow and performance. What a success story!

As the fiscal year enters the final quarter, we can reflect on our financial performance with pride and an appreciation for a job well done. We recognize the ongoing challenges — pursuing aggressive hiring to maintain end strength, executing direct hours of work, and achieving three months of unobligated reimbursable carryover. There is still some work to do to achieve the latter. Acceptance of incoming funding is under tight control, while a significant amount of carryover is destined to be obligated on contract to ensure achievement.

As many of you know, the notion of whether or not to go to three technical departments, or stay at the current four department organization, is being explored to determine the advantages of each. That analysis continues. The retirement of any one of the technical department heads would have given us the opportunity to explore these options. The intent is to investigate potential overhead savings and efficiency of operations by association of related business areas. The attack, exploitation, and protect disciplines of information warfare are intended to stay together in either the three or four department option.

Base Relocation and Alignment Commission (BRAC) directed transition at NISE East Detachment St. Inigoes is well ahead of schedule. Most of the detachment has already moved to Charleston with the rest in progress. Closure of bldg. 185 will mark the exodus from Webster Field operations in St. Inigoes. The contingent of employees at Naval Air Station Patauxent River in support of P-3 submarine patrol aircraft command and control integration have moved, or are in the process of moving, in as well. All in all, what was scheduled to complete by Oct. 1, will be complete about a month early!

The NISE East Detachment Norfolk BRAC transition efforts steadily continue. The movement of labs and associated equipment is on track with the overall migration plan. Facilities in Charleston are in place and the transition is being executed according to plan. Much work remains and there are many dedicated folks involved to "Just do it!" I look forward to the continued professionalism of each and every one of you to make that happen.

The journey toward our vision and goals has no final destination — as we achieve our goals, we revise our plans and continually seek something still further out. Never be content with having "arrived" when life always has a better day in store for us tomorrow, whether we have accomplished much until today, or not. I recently read a short essay called *The Station* written by Robert Hastings that properly puts our journey toward our goals in perspective. I've included those words here:

"Tucked away in our subconscious minds is an idyllic vision in which we see ourselves on a long journey that spans an entire continent. We're traveling by train, and from the windows we drink in the passing scenes of cars on nearby highways, of children waving at crossings, of cattle grazing in distant pastures, of smoke pouring from power plants, of row upon row of cotton and corn and wheat, of flatlands and valleys, of city skylines and village halls.

"But uppermost in our minds is our final destination — for at a certain hour and on a given day, our train will finally pull into the station with bells ringing, flags waving, and bands playing. And once that day comes, so many wonderful dreams will come true. So restlessly, we pace the aisles and count the miles, peering ahead, waiting, waiting, waiting for the station.

"'Yes, when we reach the station, that will be it!' we promise ourselves. 'When we're 18 ... win that promotion ... put the last kid through college ... buy that 450 SL Mercedes-Benz ... pay off the mortgage ... have a nest egg for retirement.'

"From that day on, we will all live happily ever after.

"Sooner or later, however, we must realize there is no station in this life, no one earthly place to arrive at once and for all. The journey is the joy. The station is an illusion — it constantly outdistances us. Yesterday's a memory, tomorrow's a dream. Yesterday belongs to history; tomorrow belongs to God. Yesterday's a fading sunset; tomorrow's a faint sunrise. Only today is there light enough to love and live.

"So, gently close the door on yesterday and throw the key away. It isn't the burden of today that drive men mad, but rather the regret over yesterday and the fear of tomorrow.

"Relish the moment is a good motto.

"So stop pacing the aisles and counting the miles. Instead, swim more rivers, climb more mountains, kiss more babies, count more stars. Laugh more and cry less. Go barefoot more often. Eat more ice cream. Ride more merry-go-rounds. Watch more sunsets. Life must be lived as we go along."

Continue to build for the future. Continue to be proud of who you are and reflect on what you contribute to our common vision and goal. Make today count and keep your sights on tomorrow.

Shoot for the stars and enjoy the journey!

Janice Amell

— *a true professional* —
takes top FEA honor

By Lynda Silvers
Chronicle Editor

When you walk into her office, there is an air of serenity. Her friendly smile greets you. Her office is very professional, yet personal. There's no mess, no clutter, no apparent urgency, and yet this soft-spoken woman describes her job as "quite hectic." Right from the start you know that Janice Amell has a grip on what's going on in the Surveillance and Systems Engineering Dept. (code 30). She's in control.

The Federal Executive Association (FEA) of the Greater Charleston Area annually solicits nominations from all federal agencies within the tri-county area in various fields of expertise.

As code 30's top administrative assistant, Janice was selected the 1997 Federal Employee of the Year in the clerical/administrative field for the Charleston area. Nominated by her immediate supervisor, Bob von Allmen said, "Because of Janice's flexibility, competence and professionalism, our department has been able to maintain a proactive approach to our mission. She is a highly effective and efficient administrative leader. Because of her skills and confidence, we have been able to use her to do the jobs of many people, thus saving thousands of dollars in personnel costs. Despite the fact that she is always busy helping our staff, Jancie has always found time to provide help to other departments

at NISE East as well. She is widely considered to be an administrative role model throughout our entire command."

An awards luncheon was held at the Charleston Club on the Air Force base on May 8. Janice was told she was in the top three, but she didn't know she was the winner until her name was called. "It was an honor just to be nominated," Janice said. "I never dreamed that I would actually win for the Greater Charleston area."

Janice came to NISE East almost three years ago. With 18 years of civil service at the time, and as secretary to the commander of the former Charleston Naval Shipyard until its closure in 1994, Janice accepted a lower-grade position at NISE East to stay in the area. Mr. von Allmen said she "walked into our newly-formed command and department knowing there were no established policies or procedures. In a very short period of time, she was able to establish a complete administrative structure for our department. She has always had an uncanny knack for establishing normalcy from chaos. Not only does she serve as a right hand to me, she also provides superior support to our sizable staff. She has also tackled many additional duties outside of her normal realm of work, always with grace and finesse."

Besides being the administrative assistant to the department head (who, by the way, double hats as head of the System Integration Office, code 092), Janice also assists Phil Roberts (who, like Mr. von Allmen, double hats as code 30's deputy and the BRAC transition coordinator), and eight other staff members. So, as you can guess, Janice's "routine day" keeps her busy going in a number of directions — sometimes, all at once. A task she seems to handle with ease.

"I don't feel like I do anything special," Janice said, "because I work on a team in code 30 and that's how we get all the work done." To show her loyalty to the team, Janice used her award money to throw a party for approximately 50 of her close co-workers — a hamburger/hot dog cookout with all the trimmings.

Don Bailey, NISE East executive director and chairperson of the Federal Executive Association of the Greater Charleston Area, presented a plaque to Janice Amell, first-place winner in the Outstanding Clerical/ Administrative field.

Leon Washington (left), runner-up in the Outstanding Trade/Craft field, proudly accepts a plaque from Don Bailey.

The NISE East Transition Working Group earned special recognition in the Team/Hammer field.

A few other NISE East folks also shared the spotlight at the FEA awards luncheon. **Bob Walker**, an engineer in the Satellite Systems Div. (code 54E), was a runner-up in the outstanding scientific/professional category; **Leon Washington** of the QA Equipment Section (code 6242) in the Module Maintenance Facility Div. was a runner-up in the outstanding trade/craft category; and the NISE East Transition Working Group earned recognition in the Hammer category.

Our congratulations to each of these folks who represented NISE East so well, and especially to Janice.

Chap builds 'SEGV,' earns DSMC diploma

By Lynda Silvers
Chronicle Editor

John Chap is an engineer in the Information Systems Security Acquisition Support Branch (code 721) and is the acquisition manager for the Programmable Embeddable Infosec Product (PEIP) and the Embeddable Infosec Product (EIP). So what makes John unique? He is the only person at NISE East to graduate from the 14-week Advanced Program Management Course (APMC) at Defense Systems Management College (DSMC), an unusual accomplishment for one at the field level.

As an 11-year employee of SPAWAR, John was faced with the decision of relocating his family from the East Coast to San Diego, Calif. After applying for numerous job vacancies up and down the East Coast, John was offered a position at NISE East last year and moved to Charleston with his wife and two young sons (ages four and eight).

John applied through NISE East Corporate Learning (code 0B2) for the 14-week program management course at DSMC. With a degree in electrical engineering from North Carolina State University and one of the few applicants accepted, John is now PMT 302 level 3 certified in the program management acquisition workforce community.

"This course gave me a lot more confidence in dealing with customers, stakeholders, and industry and improving communications with my customers, industry, and the Dept. of the Navy acquisition community." John said. "In this class, there were people from every aspect of the acquisition workforce — contracting specialists, logisticians, engineers —with a vast amount of knowledge and experience, and I learned a great deal from each one of them." John said, "This course provided me with a different perspective of the acquisition reform initiatives, that allowed me to take the blinders off and become an open-minded acquisition manager; but more importantly, it built my confidence level. I'm better equipped to handle the acquisition reform initiatives such as streamlining techniques, innovative acquisition approaches, introduction of commercial practices and products and teaming (teamwork) as my personal "lessons learned" portfolio increases. We also studied the various personality types [Myers-Briggs] and how to work with diversity among team members. As a team leader, this will be very helpful."

There were 300 students in the class of APMC 97-1, separated into ten sections of 30 students each. As a class project, each section responded to a Request For Proposal (RFP) to build a "Stored Energy Ground Vehicle (SEGV)." Five work groups of six students each were formed into contractor Integrated Product Teams to compete against one another to actually build a SEGV. John said this really gave him perspective from a contractor's point of view, helping him understand their frustrations. "The mission need statement, specification, and the statement of work contradicted each other," John said. "We had to keep going back to the government to get clarification." When a specification is written, the author usually knows exactly what the desired end product is, but does the specification clearly indicate that desire?

The DSMC is a direct result of a review group, formed by former Secretary of Defense David Packard, studying

John Chap demonstrates the capability of the Stored Energy Ground Vehicle (SEGV) which his work group built according to government specifications.

all aspects of existing acquisition management education. "We want this school to become the Academy of Management for all four services. We want it to be a school of high distinction where the best of modern management practices are taught. We want it to become a center of research for the improvement of managerial practices," Packard said during the opening ceremony on July 1, 1971, at Fort Belvoir, Va.

DSMC is designed to equip DoD civilian and military professionals with the skills, knowledge, and abilities necessary to enable them to cope with challenges they will encounter as they manage the acquisition of materiel required by our armed forces. Attendance at DSMC has now been federally mandated. In 1986 Congress acknowledged the importance of acquisition education by legislating mandatory attendance at PMC for program managers of major defense acquisition systems. In 1991, the Defense Acquisition Workforce Improvement Act required increased acquisition education for all acquisition areas. In 1994, the Federal Acquisition Streamlining Act legislated sweeping change designed to produce and procure the most technologically superior and cost-effective weapons and associated systems available to the modern war fighter.

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Webb earns service award

At a recent all hands gathering, James Webb was a little puzzled and quite surprised when Capt. Polkowsky called him to the front of the room.

James, head of the Logistics Support and Polar Engineering Branch (code 311), was awarded the Navy Meritorious Civilian Service Award for his contributions to NISE East and the U.S. Navy.

He has provided exceptional meritorious service to the U.S. Antarctic Prograp, Operation Deep Freeze, over the past ten years and has provided extraordinarily responsive support to the naval Support Forces Antarctica and the national Science Foundation for air traffic control, communications, and meteorological efforts.

James' professional excellence and support to the program led to the systematic replacement of aging, unreliable landing systems and navigational aids, with current, state of the art technology. Through his expert teaming capabilities, both within NISE East and with other commands, he developed and implemented comprehensive plans to improve communications systems, meteorology systems, and safety of flight in support of scientific research in the remoteness of Antarctica.

Due to downsizing within DoD and the Naval Support Forces Antarctica's withdrawal from the USAP, James has taken on a greater effort and assumed the DoD responsibility as the provider of ATC operations, electronic maintenance, and meteorology services in support of Operation Deep Freeze.

Congratulations, James!

John Chap

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Under Secretary of Defense for Acquisition and Technology Paul G. Kaminski was the keynote speaker at the graduation ceremony held April 18 at DSMC. He is responsible for all matters relating to DoD acquisition. Capt. Ron Polkowsky, commanding officer of NISE East, presented John's actual diploma — a bronze silk screened, mounted plaque — to him at the June all hands gathering in the NISE East conference center.

Although the course was very intense, John said the hardest part was being away from his family for such a long time. "I was more than ready to go home," he said. Oh, by the way, John's section (Section H) was named the "most social of APMC 97-1."

Six retire — 160 years of experience lost

Over the past few months, six individuals embarked on their journey into retirement. Their knowledge and expertise will surely be missed throughout the command. But most of all, we will miss their presence — the daily contact we had with them and the valuable contributions they made to NISE East and our country.

Frederick Joseph Block, a DP-855-IV manager and head of the Intelligence and Information Warfare Systems Engineering Dept. (Code 70) in Charleston, retired June 3 after 30 years and four months of combined military and civilian service.

After serving nearly four years of active duty, Fred began his civil service career in Jan. 1971 at the former Charleston Naval Shipyard. He transferred to the former NAVELEX Charleston in April 1973.

"As an individual and member of a highly professional and dedicated team, you have provided the supervision, expertise, and enthusiasm necessary to ensure the successful achievement of our common goal of supporting the fleet and other customers. Specifically, you were instrumental in creating the environment which enabled the command to be in the forefront of the Navy department's engineering and technical aspects in cryptology, information security, and intelligence gathering," Capt. Polkowsky said in a letter to Fred. A NISE East plank owner, Fred lives in the West Ashley area of Charleston.

R. Bernice Balicheski, a DP-346-III administrative specialist in the Integrated Display Systems Branch (code 615) at the St. Inigoes detachment, retired July 2 after 29 years of service.

Bernice began her civil service career in June 1968. She transferred to the former NESEA St. Inigoes in Oct. 1987. A NISE East plank owner, Bernice lives in Ridge, Md.

Douglas L. Earls, a DT-856-II technician in the NAVICP Support Section (code 6233) of the Module Maintenance Facility in Charleston, retired June 6 after serving 19 years of combined military and civilian service.

Douglas began his civil service career in May 1982. As a result of the 1993 BRAC decision to merge the Module Maintenance Facility (formerly a part of Charleston Naval Shipyard) into NISE East, Douglas transferred to NISE East in Oct. 1994. He lives in Ladson, S.C.

Joseph William Green, A DP-905-IV technical specialist in the command's legal office (code 0C), retired May 21 after serving 31 years and six months of combined military and civilian service.

Joe began his civil service career in Jan. 1969 and transferred to NISE East in Oct. 1995. He lives in Summerville, S.C.

Michael Wayne Kitchens, a DP-855-III engineer in the High Frequency Communications Branch (code 531) retired May 14 after serving 22 years and four months of combined military and civilian service.

Mike began his civil service career in Sept. 1977 at the NAVSEASYSCOM Combat Systems Engineering Center in Norfolk, which became part of the former NAVELEX Portsmouth in Jan. 1978. A NISE East plank owner, Mike lives in Virginia Beach, Va.

CWO4 Billy W. Sellers, USN, of the Information Warfare Exploitation Systems Engineering Div. (Code 71), retired May 23 after 28 years of faithful and dedicated service to the U.S. Navy.

Among the many accolades received at his retirement ceremony, Billy was presented the Meritorious Service Award for his excellence in leadership, management and a deep commitment to the Naval Security Group and the cryptologic community where he was responsible for the establishment of a microcomputer information center. Billy also played a vital role in coordinating 74 cryptologic system installations onboard surface combatants, including the first ever installation of a tactical electronic warfare support measures system van on board a dock landing ship.

Billy and his wife Judie live in Summerville, S.C.

To each of you we say thank you for a job well done. You have served your country well. The loss of your experience and your individual abilities will surely be felt throughout the Navy community, but your long years of service to the fleet and to the U.S. government have truly earned you this retirement — fair winds and following seas.

Code 324

Calibration lab now in full operation

By Lynda Silvers
Chronicle Editor

The Metrology Calibration Laboratory Branch (code 324) may be NISE East's best kept secret —not intentionally, of course. Perhaps because they're out in the boondocks, located in bldg. 450 at Charleston Naval Weapons Station, Northside (you *really* have to know where they are to find them). Or, perhaps because the cal lab has only been in full operation since April 1996. Whatever the reason, it's time to spread the word about their capabilities.

The cal lab is now an integral component in NISE East's full-service engineering efforts. Our technical codes, as well as other activities within the federal government, can rely on the lab to provide the latest state of the art electrical and mechanical calibration and repair services. In July 1995, the lab was recognized by NAVSEA as being exceptional when it passed the calibration capability evaluation. In fact, the lab is certified in more measurement areas than most stand-alone laboratories.

And just how did a full-service calibration laboratory come into being at NISE East? Glad you asked.

The former Naval Electronic Systems Engineering Activity in St. Inigoes, Md. (now NISE East Detachment, St. Inigoes), operated a cal lab when the 1993 Base Realignment and Closure (BRAC) Commission decided to consolidate the East Coast engineering centers in Charleston, S.C. After the stand-up of NISE East, the lab was to remain at the St. Inigoes detachment since a cal lab already existed at the Charleston Naval Weapons Station.

However, time changes things, and in Jan. 1995, **Brad Woode** and all of the cal lab's equipment relocated to

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Elizabeth Dawsey (left) conducts force measurement in the dimensional measurement area.

Brad Woode (right), head of the cal lab.

Tony Rikard (above, left) and Gregg Card in the AC/DC measurement area.

Jim Brewer (above) in the shipping and receiving area.

Manuel Pizinni (below).

Mike McLuskey (below, left) and Rusty Cooper in the torque calibration area.

Cal lab operational

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Charleston. Brad said he had "spent 30 years on the bench, 27 of those years at St. Inigoes," but thought moving with the job would be good for his career. Brad became a supervisor last year and is now head of the Metrology Calibration Laboratory Branch.

The Naval Sea Systems Command, in their right-sizing efforts, sought ways to eliminate duplication of efforts in the Southeast — hence, a teaming arrangement and the merger of Charleston Naval Weapons Station's calibration laboratory with ours. In May 1995, this team effort became a reality, ensuring optimum use of resources while offering full calibration and special test services to any Dept. of the Navy or DoD activity. Subsequently, the weapons station was directed to downsize. To avoid anyone losing their job, the weapons station offered their cal lab to NISE East under a memorandum of agreement (MOA) provided we bring their existing personnel on board NISE East roles. After a transition period, the MOA became official on April 16, 1996.

Calibration is essential throughout the entire cycle of systems engineering. In fact, DoN policy requires all equipment employed for quantitative measurements (including test, measuring and diagnostic equipment) be calibrated. Reliable measurements improve readiness and lessen the possibility of system failures, unpredictable system performance, and safety hazards.

The entire calibration process is controlled by the NISE East cal lab, allowing them to trace specific measurement results through an unbroken chain of accountability. This internal quality control lends further credence to their design, testing, certification, installation, and troubleshooting efforts — in-house capability to address any immediate measurement requirement. Approximately $2-3 million worth of parts is kept in stock. Also, the lab uses the calibration record inventory system (CRIS) and can provide a printout of what equipment is due for calibration — "Just another service we provide to our customers," Brad said.

With an ever-increasing workload in electronics and mechanical calibrations, the folks in code 324 strive to be *"the"* cal lab in the Southeast region. As a type III lab, they calibrate both general and special purpose test equipment — electronic, electrical, physical, dimensional and mechanical calibration.

The cal lab is currently staffed with eight technicians, all completely certified in their respective fields. "The technicians here are very diversified, and have cross-trained on all of the equipment," Brad said. "Everyone is up-to-speed, so the train doesn't stop if someone is out." The lab is a 10,000 sq. ft. self-contained structure. "We even do our own packing and shipping," Brad said.

For customer convenience, the cal lab offers free pickup and delivery within the Charleston area, greatly reducing down time waiting for shipments. For customers within NISE East, you not only save down time, but you also save the cost involved with getting a contract in place, and there's no service center fees.

The lab is audited every two years to ensure they follow DoN guidelines. Therefore, you can rest assured that the calibrated test and measuring instruments you deliver to your customers are top quality. Also, Navy reliability data allows longer calibration intervals — an average 47 percent longer than comparable manufacturer and commercial intervals — saving you time and money.

If you have a need for calibration services or would like more information, call Brad at 803-764-7854 or send him an e-mail to woodeb@niseeast.nosc.mil.

QDR validates Navy

Continued from page 5

Changes in force structure, advances in technology and streamlining of infrastructure will enable the Navy to make minimal reductions in manpower while preserving combat capabilities. QDR recommends a reduction of 18,000 active and 4,100 Reserve personnel and 8,400 civilians, to be phased in over a number of years, making the Navy a leaner, more focused service. Reductions will be carried out over the next six years.

Admiral Johnson continually emphasized the value of the Navy's men and women in his written statement.

"As we have done in the past, we will carefully manage these reductions, ensuring we do the right things for our people at every step. We must control the pace of change to ensure we do not attempt to create savings by increasing the workload of individual Sailors."

Signs of the time — moving...

"They were just here! Where'd they all go?" Code 533 folks, Allan Hillman (left), Ray Meyer, and John Weed recently found themselves "alone" on the West end of 4600 Goer Drive — not only were the people gone in just a matter of hours, but their cubicles were just as quickly dismantled.

"Sure, I can find out what happened to your requisition. It's right here in one of these boxes." At right, Ernie Cromer (code 132) is ready for the movers.

"After making the BIG move from St. Inigoes, Md., this is a piece of cake!" At left, David Hirschhorn (code 091E) was among the very first movers into the new NISE East headquarters building.

"Whew! I made it! And my new office has a great view!" David Hirschhorn settles into his new office at the main engineering center.

"You want it when? No problem. Let's see, now where did I put my chair?" At right, Ruth Goddard (code 112) sorts through years of small purchase documents, preparing for the move from 4600 Goer Dr. to the new engineering center on Charleston Naval Weapons Station, Southside.

SPAWAR team creates 'Partnership' with private industry

Rear Adm. George F. A. Wagner, USN, Commander, Space and Naval Warfare Command

By Lynda Silvers
Chronicle Editor

As part of its new emphasis on creating an industry/government relationship based on expanded trust and teamwork, Team SPAWAR — NCCOSC, NRaD, NISE East, and NAVMASSO — along with the program executive officer for space, communications, and sensors (PEO-SCS) — produced a dynamic con ference, June 24-26. Information about the corporation's current programs, our future projections and needs, and the opportunity to extensively network, were mainstays of the event.

Approximately 320 people from across the country attended the SPAWAR Industry Partnership Conference at Cooper River Landing, NISE East's new conference center.

The Industry Partnership Conference, hosted by NISE East at Cooper River Landing (the new conference facility in Charleston, S.C.), June 24-26, was attended by approximately 320 industry and government representatives from across the country. Many attendees now anticipate new business opportunities and are planning accordingly — a win-win situation for the government and for industry.

The theme of this year's conference — *Partnership with Industry* — indicated Team SPAWAR's desire to create a more effective government/industry working relationship. Senior managers, together with panels of experts from across the corporation described their product lines and the technical, budgetary and operational challenges they face, as attendees gained insight into what the government needs to meet the Navy's future C^{4}ISR requirements.

In his opening remarks about information technology for the 21st century, Rear Adm. F. George Wagner, SPAWAR commander, told the audience, "This type of conference helps us determine what is needed in the contractor community. You will understand where we are going and you will know who to contact. The key people are here — the program managers, the commanding officers, the department heads. Acquisition reform has been great, and I am really pleased with industry's willingness to work with us."

Capt. Ron Polkowsky, commanding officer of NISE East, said in his remarks, "The reason we are here is to look forward to how we can bring this C^{4}ISR capability to the fleet... and to exchange ideas on entering the 21st century." Capt. Hal Williams and Capt. Dana Fuller, NRaD's and NAVMASSO's commanding officers, also presented overviews of their respective activities.

Rear Adm. Osie Combs, chief engineer (SPAWAR 05), kicked off the information process as he revealed the challenges of engineering integrated C^{4}ISR systems for the future. Other topics included communications; information support systems; contracting trends and initiatives; information and electronic warfare; intelligence, surveillance, and reconnaissance systems; advanced technology; and command and control.

One of the luncheon speakers, Rear Adm. James Amerault, budget director in the office of the assistant secretary of the Navy (financial management and comptroller), discussed the Dept. of the Navy's commitment to preserve readiness and modernization and also the importance of the quality of life of our sailors. Bill Sanders, president of the Lowcountry chapter of AFCEA (Armed Forces Communication Electronic Assoc.) introduced retired Air Force Lt. Gen. C. Norman Wood, AFCEA's international president and CEO, the luncheon speaker on June 26.

David Merrit, director of strategic corporate planning and development (SPAWAR 08), assessed the Navy's current situation, "We are increasingly dependent on commercial products to satisfy fleet needs in C4ISR. The only way we are going to keep our sailors supplied with the latest electronics technology at an affordable price is to use the same equipment industry produces in large numbers for the commercial market."

The conference, geared toward cutting the "red tape" and getting down to the essentials of keeping up with the technology explosion and keeping the Navy fully operational, was a tremendous success. According to the critique sheets received, the general consensus of those in attendance was Team SPAWAR is on the right track to improving relations with industry — fair and equal opportunities to compete; streamlining the contract process; publicizing future needs with a detailed planning guide; open communication; and guidance on how industry can participate.

If you would like to see the technical presentations in their entirety, visit the NISE East web site: http://www-nise.nosc.mil and click on the SPAWAR Industry Conference.

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Our Mission is to provide electronics material support: Conduct engineering studies, analyses, design and test support; install, upgrade, modify, restore, and remove hardware and software; develop logistics requirements and plans; support and execute programs and projects; and develop training requirements, plans, and materials.

Our Vision for the future is to be the activity of choice by our customers, the innovator of new technologies and systems, an ambassador and business partner in the community, the leader in electronic engineering facilities, the provider of a safe and nurturing work place, and the premier organization for new business strategies.

Commanding Officer, **Capt. Ronald L. Polkowsky, USN**
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